

What is claimed is:

1. A lens unit structure for a single lens reflex digital camera, comprising a photographing lens block and a finder block,

wherein said photographing lens block includes:

a lens barrel having a plurality of guide shaft members extending in parallel with an optical axis of said photographing lens block, ends of said plurality of guide shaft members being secured to said lens barrel; and

at least one lens group accommodated in said lens barrel, said at least one lens group being slidably supported in the direction of said optical axis by said plurality of guide shaft members, said plurality of guide shaft members preventing said at least one lens group from moving in a direction perpendicular to the optical axis of said photographing lens block,

wherein said finder block includes a casing that accommodates a finder optical system, an image capturing element, and a beam splitter, an image receiving surface of said image capturing element being perpendicular to an optical axis of said beam splitter, said beam splitter splitting the light passed through said photographing lens block into light directed to said finder optical system and light directed to said image capturing element, said casing

having a plurality of holes respectively receiving said plurality of guide shaft members provided to said lens barrel.

2. The lens unit structure according to claim 1, wherein said plurality of guide shaft members regulate a positional relationship of an optical axis of said photographing lens block with respect to an optical axis of said finder block.

3. A lens unit structure for a single lens reflex digital camera, comprising an photographing lens block and a finder block,

wherein said photographing lens block includes:

a lens barrel having a first lens group and a plurality of guide shaft members extending in parallel with an optical axis of said first lens group; and

at least one lens group accommodated in said lens barrel, said at least one lens group being supported by said plurality of guide shaft members, said at least one lens group being movable only in a direction parallel to said optical axis,

wherein said finder block includes a casing that accommodates a finder optical system, an image capturing element, and a beam splitter, an image receiving surface of said image capturing element being perpendicular to an

optical axis of said beam splitter, said beam splitter splitting the light passed through said photographing lens block into light directed to said finder optical system and light directed to said image capturing element, said casing having a plurality of holes respectively receiving said plurality of guide shaft members provided to said lens barrel.

4. The lens unit structure according to claim 3, wherein said plurality of guide shaft members regulate a position of said at least one lens group so that an optical axis of said at least one lens group coincides with the optical axis of said first lens group.

5. The lens unit structure according to claim 3, wherein an optical alignment of said photographing lens block and said finder block are regulated by inserting said plurality of guide shaft members in said plurality of holes, respectively.

6. The lens unit structure according to claim 3, wherein said at least one lens group accommodated in said lens barrel includes a focusing lens.

7. The lens unit structure according to claim 6, wherein

said focusing lens being held by a focusing lens frame, a plurality of through holes in which said plurality of guide shaft members are slidably inserted are formed on said focusing lens frame.

8. The lens unit structure according to claim 6, wherein said at least one lens group accommodated in said lens barrel includes a zoom lens.

9. The lens unit structure according to claim 8, wherein said zoom lens being held by a zoom lens frame, a plurality of through holes in which said plurality of guide shaft members are slidably inserted are formed on said zoom lens frame.

10. The lens unit structure according to claim 3, wherein said plurality of guide shaft members consists of a pair of shaft members.

11. The lens unit structure according to claim 10, wherein said pair of shaft members are arranged opposite to each other with respect to the optical axis of said first lens group.

12. The lens unit structure according to claim 3, wherein

said first lens group is an objective lens group.